

ACTUATION DEVICE FOR A FLAP ELEMENT

The invention relates to an actuation device for a flap element, ~~in particular~~ for a variable top receptacle, which actuation device assists the movement of a flap element respectively from a first position into a second position and from the second position into the first position.

Such top receptacles are provided in vehicles having a flap- or folding top in order to be able to better utilize the storage space located underneath the top receptacle when the vehicle is closed, i.e. in the state, in which the flap- or folding top is not loaded into the top receptacle. For this purpose, the top receptacle is brought into a high position, so that the largest possible volume for accommodating luggage pieces is provided underneath the variable top receptacle. On the other hand, when the flap- or folding top is opened, the flap- or folding top is deposited into the top receptacle that is shifted to a low position.

~~Other applications of the actuation device are, e.g., flap coverings of glove compartments, door pockets and center consoles.~~

An actuation apparatus for a variable top receptacle is known from DE 197 13 606 C1, which apparatus moves a top compartment floor that is formed from three plate-shaped wall elements. The

A motor vehicle having a foldable top system is known from DE 198 34 850 A1, which forms the preamble of claim 1, wherein a separator is provided, with which the top compartment is separated from the trunk. The top compartment having a hard top is required for the stowage of the foldable top. The separator is pivotable between a first, non-separated position, in which the maximum loading surface of the trunk is available, and a second, separated position. In the separated position, the rear stowage space is divided into two parts by the positioning of the separator, of which one part serves as a top compartment for accommodating the foldable top and the other part remains as the remainder of the trunk. Thus, the separator forms a part of the top compartment. For pivoting of the separator, this separator is coupled with the actuation device of the top, in particular its main pillar. The pivoting of the separator takes place in a compulsory controlled manner by the controller of the top actuation device. The movement of the top compartment and the elements assisting the separator and these elements fixed in the respective positions are not provided at the actuation device.